

**PUBLIC**

Document made public on:

20 FEB 2019

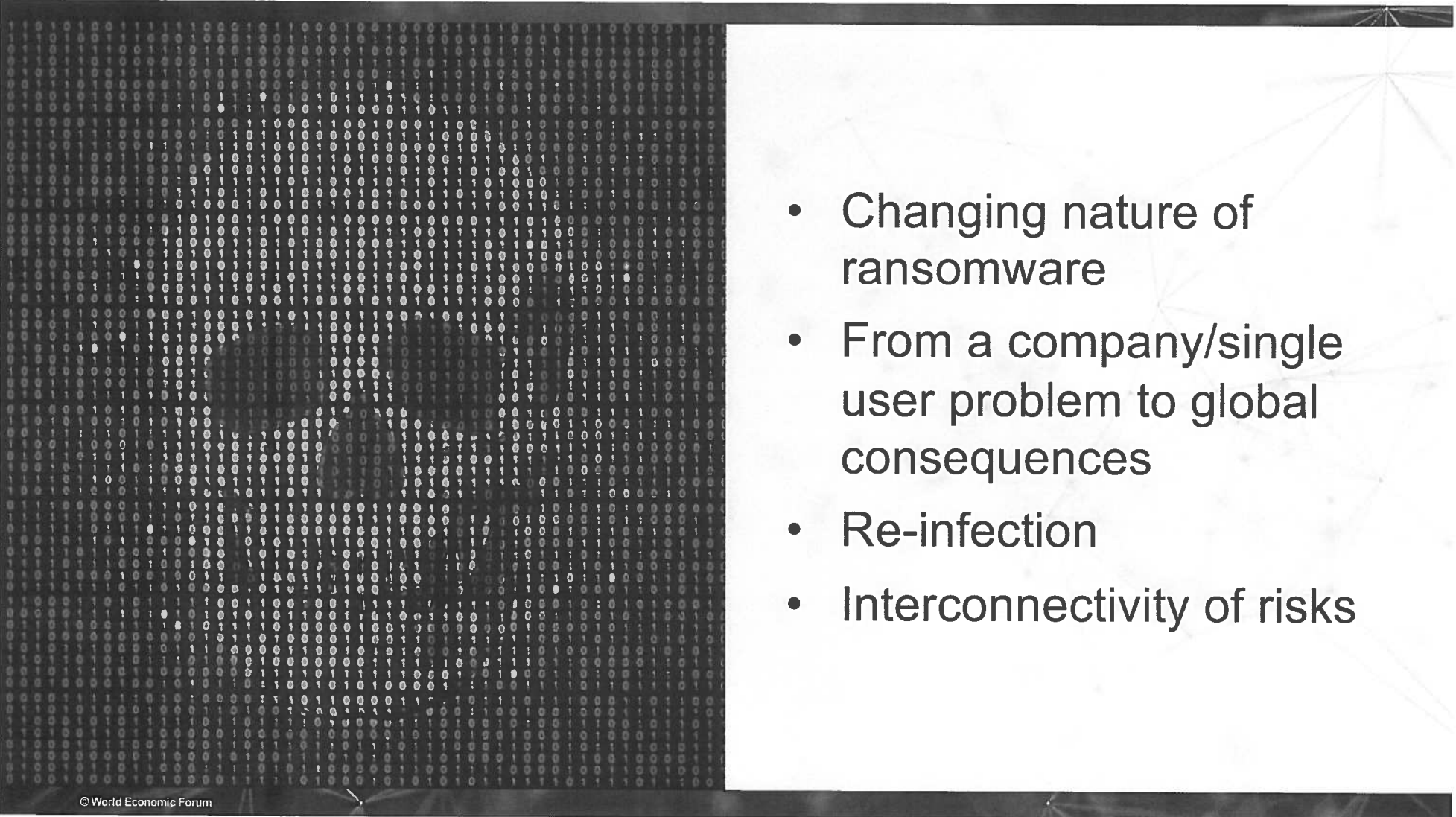
# Data as the Hostage Increasing Cyber-Resilience

**Francesca Bosco**  
Project Lead, Cyber-Resilience

WORLD  
ECONOMIC  
FORUM

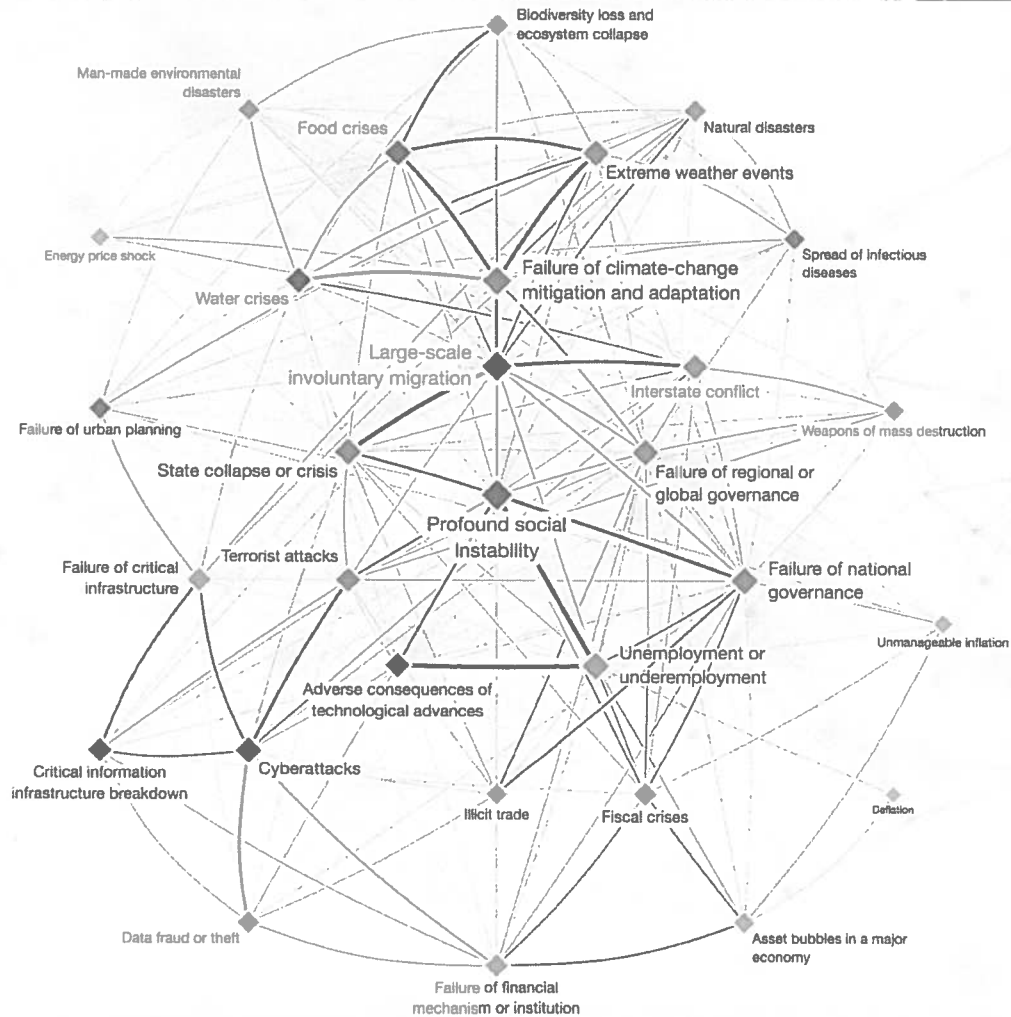
COMMITTED TO  
IMPROVING THE LIVES  
OF THE WORLD'S

Centre for Cybersecurity


- 
- Changing nature of ransomware
  - From a company/single user problem to global consequences
  - Re-infection
  - Interconnectivity of risks


# The Global List Interconnections Map 2018

Risks  
Number (and strength)  
of connections  
("weighted degrees")



## Who are the victims?

24%   
of breaches affected healthcare organisations

15%   
of breaches involved accommodation and food services

14%   
were breaches of public sector entities

58%   
of victims are categorized as small businesses

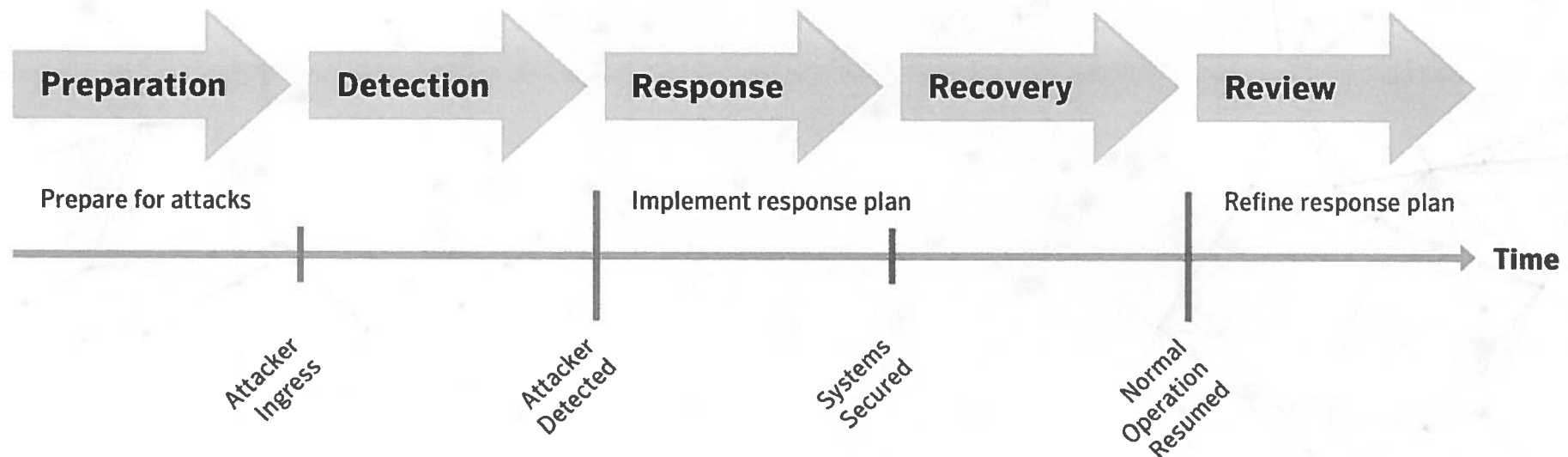
Source 2018: Verizon, Data Breaches Report

# **Create a Stronger Cyber-Resilience-First and Foremost**

## **Achieve True Visibility Across Your Entire Environment-Map the Assets**

1. Maintaining an inventory of authorized and unauthorized devices
2. Maintaining an inventory of authorized and unauthorized software
3. Developing and managing secure configurations for all devices
4. Conducting continuous (automated) vulnerability assessment and remediation
5. Actively managing and controlling the use of administrative privileges

# Create a Stronger Cyber-Resilience



Source 2014: The Cyber Resilience Blueprint: A New Perspective on Security

**As C-suite executives and boards prepare their plans for a cyber-resilient business, they need help from the CISO to:**

- Understand how the business will have a greater “surface area” of exposure in the future and the impact this has on cyber resilience requirements
- Know what must be done to ensure the future cyber resilience of the business across all dimensions (not just the IT capabilities)
- Be clear on where cyber resilience must reside within the organization
- Understand who in the organization has both overall and individual component responsibility for cyber resilience and who is accountable for it
- Know how to measure cyber resilience exposure and risk with relevant measures and monitor these measures at the highest levels of the organization

## **Elevate Cyber-Resilience to be a Board-Level Issue**

Source 2018: Accenture, State of Cyber Resilience

**PUBLIC**

Document made public on:

20 FEB 2019

**Thank you**

WORLD  
ECONOMIC  
FORUM

COMMITTED TO  
IMPROVING THE REAL  
BUSINESS WORLD

Centre for Cybersecurity

FRANCESCA BOSCO  
[Francesca.Bosco@c4c-weforum.org](mailto:Francesca.Bosco@c4c-weforum.org)